

## **Complete Listing of the Claims**

SubEI / P.

A method for reducing subterranean aqueous fluid flow into a well drilled through a hydrocarbon-bearing formation, comprising the steps of:

- (a) providing a composition comprising water soluble hydrophobically-modified polymers having a linear hydrophilic backbone with hydrophobic side groups along said backbone and functional groups for cross-linking said polymers;
  - (b) allowing said composition to contact said formation; and
- (c) cross-linking said hydrophobically-modified polymers of the composition to form a cross-linked gel selectively reducing said subterranean aqueous fluid flow.

30-33. cancel

- 34. The method of claim 10, wherein the hydrophilic backbone of the hydrophobically modified polymers comprises poly(acrylic acid), poly(vinylpyridine), hydroxyethylcellulose or poly(ethylene oxide).
- 35. The method of claim 10, wherein the hydrophobically modified polymers comprise poly(sodium 4-styrenesulphonate) or poly(vinylpyridine).

The method of claim 10, wherein the hydrophobically-modified polymers comprise poly(acrylamide).

- 37. The method of claim 10, wherein the hydrophobically-modified polymers comprise n-nonyl acrylate.
- 38. The method of claim 10, wherein the hydrophobically-modified polymers comprise N-decylamide.

Subject

39-48. cancel

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